Title (en)
MICROPROCESSOR CONTROLLED DEFROST TERMINATION

Title (de)
MIKROPROZESSORGESTEUERTE ABTAUBEENDIGUNG

Title (fr)
ARRÊT DE DÉGIVRAGE COMMANDÉ PAR MICROPROCESSEUR

Publication
EP 2409095 A2 20120125 (EN)

Application
EP 10753838 A 20100212

Priority
• US 2010024058 W 20100212
• US 16126909 P 20090318

Abstract (en)
[origin: WO2010107536A2] An apparatus and method are disclosed for terminating a refrigeration unit's defrost function. The refrigeration unit comprises an evaporator, a temperature sensor to measure the temperature of the evaporator during a defrost function, and a controller configured to calculate the rate of temperature change and terminate the defrost function when the rate meets a specified criteria, such as a predetermined rate or a sharp increase in the rate after the evaporator temperature has increased above the freezing point of water.

IPC 8 full level
F25D 21/00 (2006.01); **F25D 21/06** (2006.01)

CPC (source: EP US)
F25D 21/006 (2013.01 - EP US); F25D 21/08 (2013.01 - EP US); F25D 2700/10 (2013.01 - EP US)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
WO 2010107536 A2 20100923; **WO 2010107536 A3 20101111**; CN 102356288 A 20120215; CN 102356288 B 20140305; EP 2409095 A2 20120125; EP 2409095 A4 20150729; EP 2409095 B1 20190424; US 2012042667 A1 20120223

DOCDB simple family (application)
US 2010024058 W 20100212; CN 201080012316 A 20100212; EP 10753838 A 20100212; US 201013202148 A 20100212